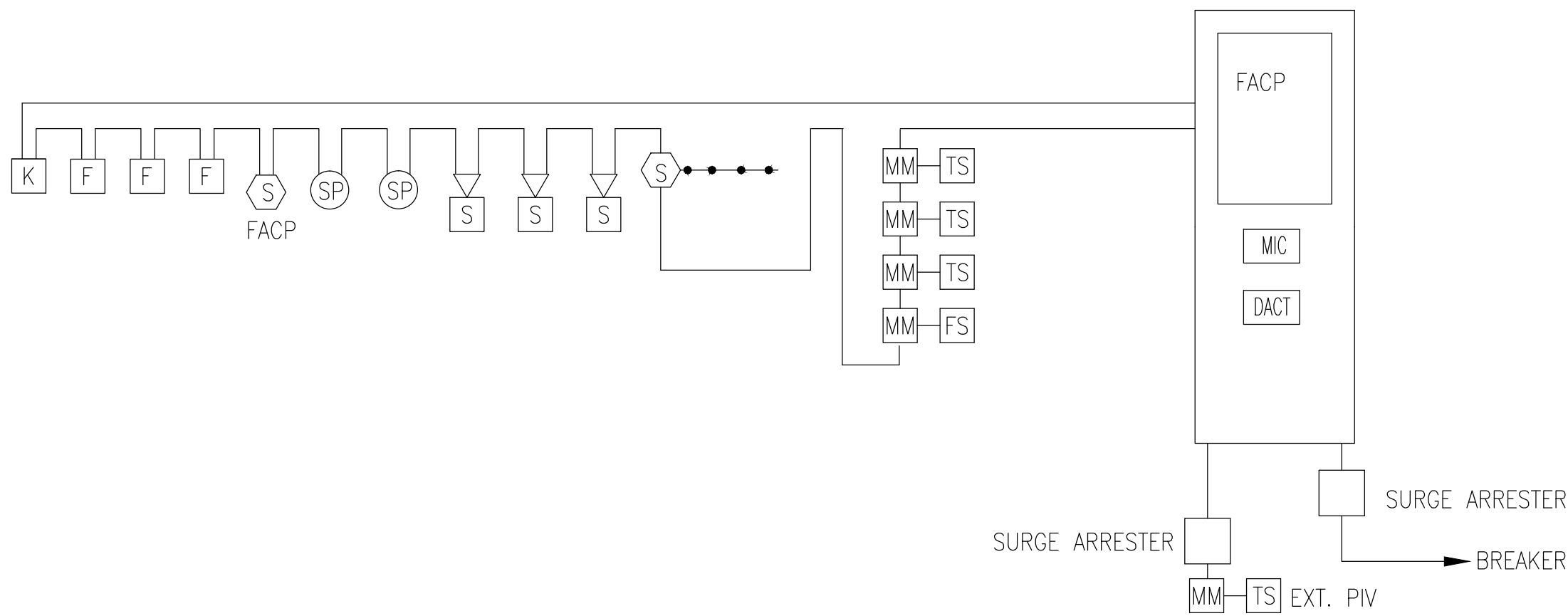


three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot



FIRE ALARM & MNS RISER DIAGRAM

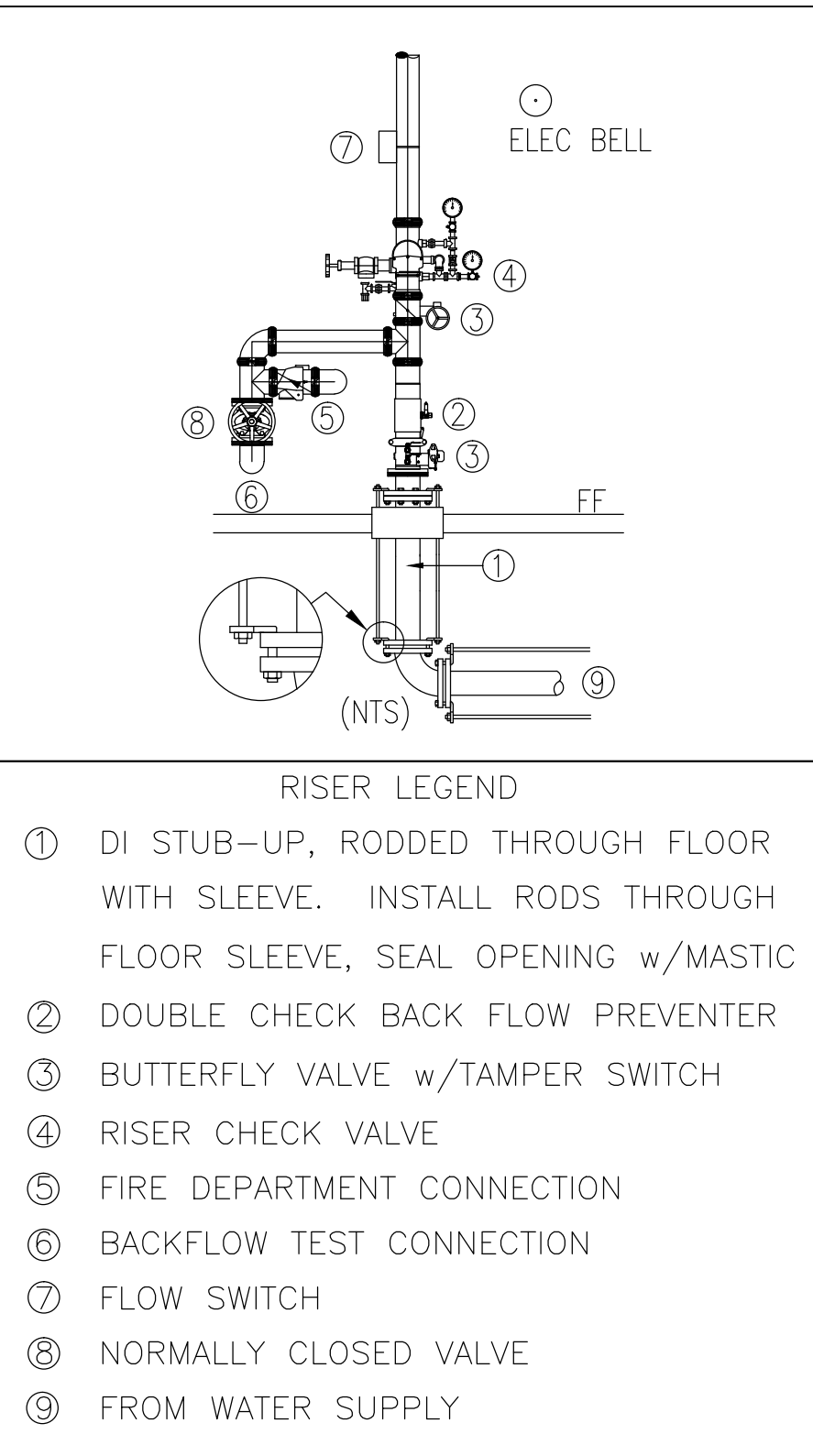
SCALE: NONE

FIRE ALARM SEQUENCE OF OPS MATRIX									
ACTION	INITIATION								
	MANUAL PULL STATION	DUCT DETECTOR	SMOKE DETECTOR AT FACP	WET SPRINKLER WATER FLOW	SPRINKLER VALVE TAMPER SWITCH				
ACTIVATE FIRE ALARM SPEAKER/STROBES	•	•	•	•	•				
DISPLAY ALARM INDICATION AT FACP	•	•	•	•	•				
TRANSMIT ALARM TO RECEIVING STATION	•	•	•	•	•				
DISPLAY SUPERVISION AT FACP & FARA	•			•					
TRANSMIT SUPERVISORY SIGNAL TO FIRE DEPT.	•			•					

- FIRE ALARM NOTES:
- ALL CIRCUITS SHALL BE CLASS A. STYLE 6 NAC AND SLC, STYLE Z IDC.
 - ALL WIRING SHALL BE IN CONDUIT.
 - PROVIDE THE FOLLOWING SPARE PARTS:
THREE MANUAL STATIONS
THREE SMOKE DETECTORS
THREE SPEAKER / STROBES
THREE TAMPER SWITCHES
THREE SETS FUSES
 - A/V DEVICES FOR MNS SHALL BE WHITE BODY MARKED ALERT WITH AMBER LENS. FA A/V DEVICES SHALL BE RED BODY MARKED FIRE WITH CLEAR STROBES. COMBINATION DEVICES SHALL HAVE WHITE BODY MARKED ALERT WITH AMBER AND CLEAR LENS.
 - BATTERIES SHALL BE SIZED FOR 48 HOURS STANDBY AND 60 MINUTES ALARM.
 - TRANSMIT THE FOLLOWING TO THE BASE FD: SPRINKLER WATER FLOW, SMOKE DETECTOR, MANUAL PULL STATIONS, SUPERVISORY, AND DUCT SMOKE DETECTOR.
 - COORDINATE MNS MESSAGES WITH BASE FIRE DEPARTMENT.

FIRE ALARM LEGEND

- FACP ADDRESSABLE FIRE ALARM CONTROL PANEL
- DACT DIGITAL ALARM COMMUNICATING DEVICE
- F MANUAL FIRE ALARM PULL STATION; 48" MOUNTING HEIGHT, U.N.O.
- S EMERGENCY SPEAKER / STROBES; 80" WALL MOUNTING HEIGHT, OR CEILING MOUNT, WHITE WITH CLEAR LENS
- SP EMERGENCY SPEAKER, WALL OR CEILING MOUNT
- S PHOTOELECTRIC SMOKE DETECTOR, ADDRESSABLE
- S DUCT MOUNTED SMOKE DETECTOR, ADDRESSABLE
- TS SPRINKLER SYSTEM TAMPER SWITCH
- FS SPRINKLER SYSTEM FLOW SWITCH
- MM ADDRESSABLE MONITOR MODULE
- EM ADDRESSABLE CONTROL MODULE
- DM DOOR HOLD OPEN DEVICE
- FT FRT ANTENNA
- MMKB KNOX BOX WITH TAMPER SWITCH
- W WEATHERPROOF
- LI UNLESS NOTED OTHERWISE ALL AREAS ARE LIGHT HAZARD, 0.10 GPM/ 3,000 SF AND 250 GPM HOSES
- OH1 ORDINARY HAZARD GROUP 1
0.15 GPM / 3,000 SF AND
500 GPM HOSES
- OH2 ORDINARY HAZARD GROUP 2
0.2 GPM / 3,000 SF AND
500 GPM HOSES
- BASE HYDRAULIC CALCULATIONS ON 1,000 GPM FLOWING AT 36 PSI RESIDUAL, 68 PSI STATIC AT CONNECTION TO CITY MAIN.



0 4' 8' 16'
SCALE: 1/8" = 1'-0"

FINAL SUBMISSION

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Revisions:		Date				Date MARCH 2012		Checked JM		Drawn JM	
								Drawing Number FP501		Dwg. 3 of 3	